TECSLATE

TS64A001

User manual

MultiMedia Touchscreen HDTV with integrated PC

TS64A001

Product registration

Register online at tecslate.com/registration.

If you register your TAG product, we'll notify you of new features and software upgrades. Please print this page and keep the following information available in case you need to contact TAG Support.

Serial number: _____

Date of purchase: _____

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Copyright

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Acknowledgements

All other product names or trademarks are properties of their respective owners.

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Declaration of conformity

CE Conformity Statement

Radio products with the CE alert marking comply with the R&TTE Directive (1999/5/EC) issued by the Commission of the European Community. Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards): *EN 60950–1 (IEC60950–1) –Product Safety.* Products that contain the radio transmitter are labeled with CE alert marking and may also carry the CE logo.

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference;
2. This device must accept any interference received, including interference that may cause undesired operation.

Caution!

Exposure to Radio Frequency Radiation. The radiated output of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized. When connecting an external antenna to the device, the antenna shall be placed in such a manner to minimize the potential for human contact during normal operation. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

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Declaration of conformity

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced computer technician for help

Technical Support and Assistance

1. Visit the Advantech website at http://support.advantech.com where you can find the latest information about the product.
2. Contact your distributor, or sales representative for technical support if you need additionalassistance. Please have the following information ready before you call:

- Product name and serial number
- Description of your peripheral attachments
- Description of your software (operating system, version, application software, etc.)
- A complete description of the problem
- The exact wording of any error messages

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Safety instructions

CAUTION

- Before you clean your TAG product, shut down or disconnect the computer. Otherwise, you may scramble the desktop icons or inadvertently activate applications when you wipe the screen.
- Avoid setting up and using the TAG product in an area with excessive levels of dust, humidity and smoke.
- Make sure an electrical socket is near your TAG product and remains easily accessible during use.
- For SMART Board 8055ie-SMP interactive flat panel only: The external power supply needs to meet the Limited Power Source (LPS) requirements of CSA/UL/IEC/EN 60950-1, when required.
- This TAG product should be used only with European TN and TT power distribution systems.

It is not suitable for older, IT-type power distribution systems found in some European countries. "This system (IT-type) is widely used isolated from earth, in some installations in France, with impedance to earth, at 230/400V, and in Norway, with voltage limiter, neutral not distributed, at 230V line-to-line." (IEC 60950:1999) Contact qualified personnel if you're uncertain of the type of power system available where you're installing your SMART product.

Important information about your touch screen display

You must connect the USB cable that came with your TECSLATE™ interactive flat panel to a computer that has a USB compliant interface and that bears the USB logo. In addition, the USB source computer must be compliant with CSA/UL/EN 60950 and bear the CE mark and CSA and/or UL Mark(s) for CSA/UL 60950. This is for operating safety and to avoid damage to the TAG TS64A001

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Safety instructions

WARNING

- Failure to follow the installation instructions shipped with your TAG product could result in personal injury and product damage which may not be covered by your warranty.
- Do not open or disassemble the TAG product. You risk electrical shock from the high voltage inside the casing. Opening the casing also voids your warranty.
- Do not stand (or allow children to stand) on a chair to touch the surface of your TAG product. Rather, mount the product at the appropriate height.
- To reduce the risk of fire or electric shock, do not expose the TAG product to rain or moisture.
- If your TAG product requires replacement parts, make sure the service technician uses replace ment parts specified by TAG or parts with the same characteristics as the original.
- Ensure that any cables extending across the floor to your TAG product are properly bundled and marked to avoid a trip hazard.
- Do not insert objects inside the cabinet ventilation holes, because they could touch dangerous voltage points and cause electric shock, fire or product damage which may not be covered by your warranty.
- Do not place any heavy objects on the power cable. Damage to the cable could cause shock, fire or product damage which may not be covered by your warranty.
- Use only extension cords and outlets into which this product's polarized plug can be fully inserted.
- Use the power cable provided with this product. If a power cable is not supplied with this product, please contact your supplier.

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Safety instructions

WARNING

Use only power cables that match the AC voltage of the power outlet and that comply with your country's safety standards.

- If the glass is broken, do not touch the liquid crystal. To prevent injury, handle glass fragments with care when disposing of them.
- Do not move or mount the interactive flat panel by connecting rope or wire to its handles. Be cause the interactive flat panel is heavy, rope, wire or handle failure could lead to personal injury.
- Use only mounting hardware included in your packaging.

Disconnect all power cables for your interactive flat panel from the wall outlet and seek assis tance from qualified service personnel when any of the following occurs:

- **The power cable or plug is damaged.**
- **Liquid is spilled into the interactive flat panel.**
- **Objects fall into the interactive flat panel.**
- **The interactive flat panel is dropped.**
- **Structural damage such as cracking occurs.**
- **The interactive flat panel behaves unexpectedly when you follow operating instructions.**

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Product features

The TAG TS64A001 is loaded with features to make your presentations shine.

- LED Touchscreen Display
- On board PC
- Software
- Network Connectivity
- Blu-Ray/DVD

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Product features

Brilliant 1080P LED Touchscreen Display

- 4000:1 Contrast Ratio makes blacks blacker and colors brighter
- 65” screen makes for easy viewing even from back of the room
- 120 Hz refresh rate for smooth video play back
- Anti-Glare Glass
- Low Power Consumption
- Finger or Stylus Input
- Available in 65”& 84”

On board PC

- 1TB Hard Drive
- Intel i7 Core processor
- Intel Video Card
- Multiple inputs for connectivity

Software

- Preloaded with Microsoft Windows 7 64bit OS
- Easy to use and intuitive Whiteboard software
- Adobe Acrobat Reader
- Can be preloaded with the software of your choice
- Input Devices
- Wireless IR Remote Control
- Wireless Mouse
- Wireless Keyboard
- Stylus Starter Package included

Network Connectivity

- Built In Wi-Fi for Plug and Play Connectivity
- Ethernet port

Blu-Ray/DVD

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Package contents

Congratulations on your purchase of the TAG TS64A001! Please keep packaging, box and all related materials in a safe place for future transport needs.

1) 1920 x 1080 Tecslate Touch Monitor
2) Wall mounting fixture *
3) Wireless keyboard, mouse & dongle
4) Digital antenna
5) HD Webcam 720p
6) Remote control
7) Power adapter
8) Ethernet cable
9) 4 Stylus pens
10) VGA to USB touch cable
11) HDMI cable

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Optional accessories

External Speakers or Soundbars

VIZIO S4251w-B4 5.1 Soundbar with Wireless Subwoofer and Satellite Speakers

Custom Stands or Mounting Solutions

VIZIO S4251w-B4 5.1 Soundbar with Wireless Subwoofer and Satellite Speakers

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Safety tips

Safety tips

- When using the TAG TS64A001 display, please maintain a distance of approximately 1 to 2 feet away from the screen.
- Do not touch screen without using a screen protector, as it can leave hard to remove oils from your skin.
- Never remove back cover or serious damage/injury may occur due to high voltage parts.
- Avoid exposing LCD display to direct sunlight or any other heat sources.
- Exercise sufficient caution when moving or hanging the LCD display.
- Only set on TAG TS64A001 stand (sold separately) or hang on wall in a well-ventilated area.
- Do not set any objects on top of LCD display, make sure all cords are free as well.
- If anything unusual occurs while using the TAG TS64A001 display, unplug immediately and call your dealer. It is not safe to continue to use if not in perfect running condition.
- Do not apply too much pressure to LCD screen or unrepairable damage could occur

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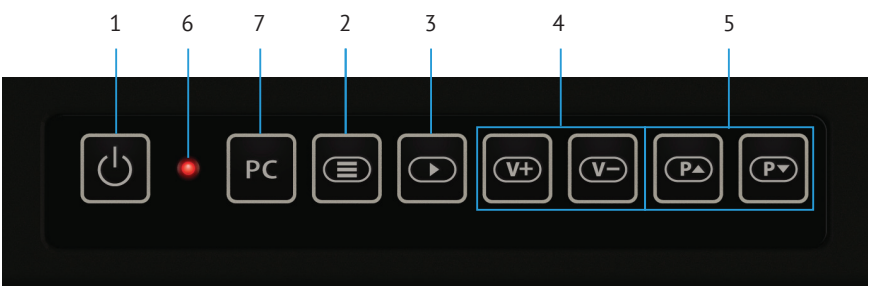
Front panel keys

Front panel keys

1.	Power	Switching key between monitor standby and on mode.
2.	Menu	If menu is hidden, press this key to display OSD menu; if menu displays, press this key to exit current menu.
3.	Signal Source (TV/Video)	Switch among all available input signal sources (AV1, S-VIDEO, COMPONENT1, COMPONENT2, HDMI2, VGA, USB)
4.	VOL+/-	Adjust sound output level of speaker (same function as volume key on remote control). In OSD menu, it is used to move cursor left/right or change settings (same function as cursor left/right key on remote control).
5.	CH+/-	In OSD menu, it is used to move cursor up/down (same function as cursor up/down on remote control).
6.	Power indicator	A red light indicates display is in standby mode; A green light indicates display is in working mode.
7.	PC	A red light indicates display is in standby mode; A green light indicates display is in working mode.



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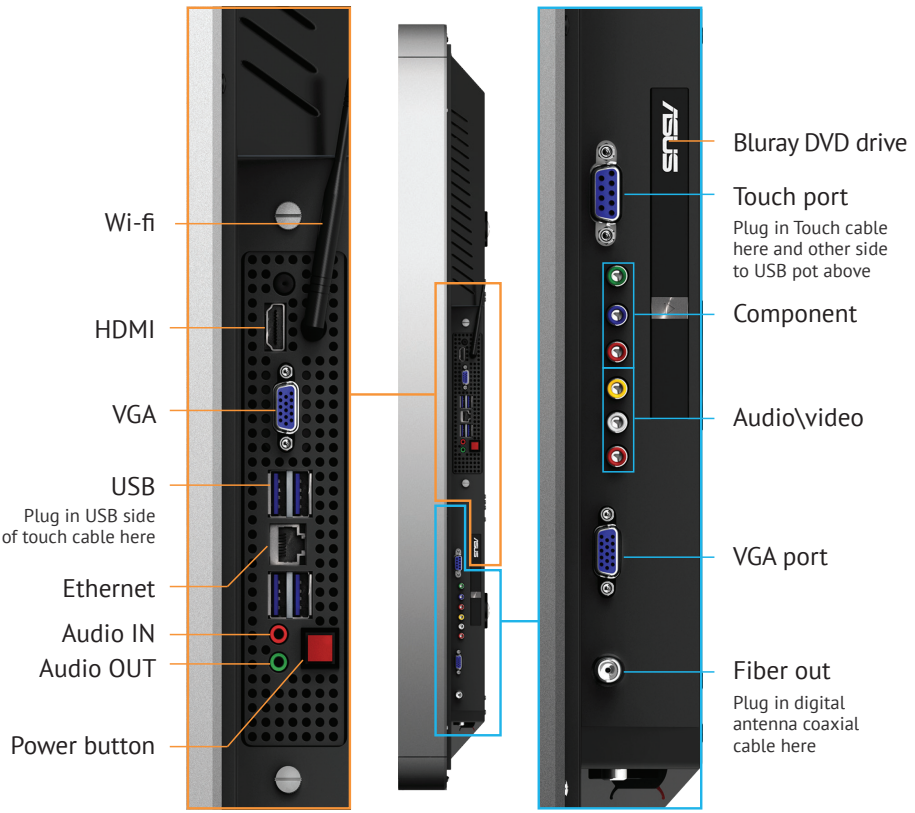
Port descriptions

Side view



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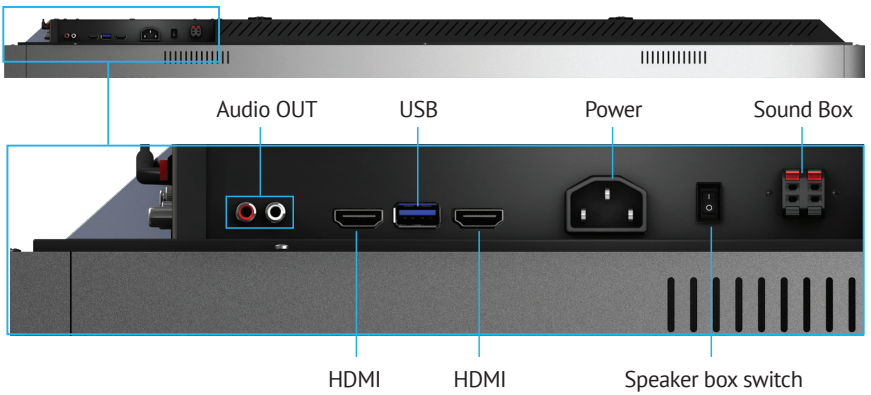
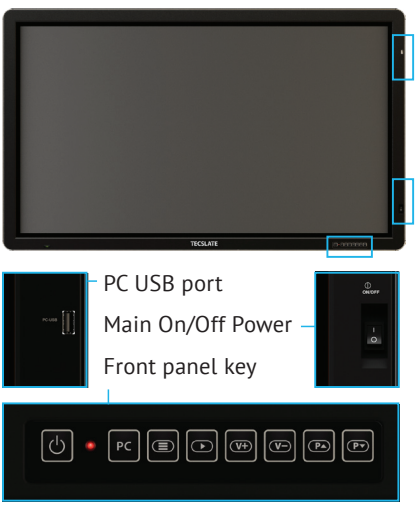
Port descriptions

Bottom view



Front view



Rear view

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Remote control

CAUTION

- Do not subject the remote control to strong shock.
- Keep the remote control away from liquids. If it gets wet, wipe it dry immediately.
- Do not expose the remote control to heat or steam.
- Do not open any part of the remote control other than the battery compartment picture-in-picture compartment.
- The remote control system does not function when strong light strikes the remote control sensor or when there is an object between the remote control and its sensor.

WARNING

To reduce the risk associated with leaking batteries:

- use only AA type batteries
- do not mix used and new batteries
- orient the battery's positive (+) and negative (-) terminals according to the markings found on the remote control.
- do not leave the batteries in the remote control for an extended period
- do not heat, disassemble, short or recharge the batteries, or expose them to fire or high temperature.
- avoid eye and skin contact if batteries have leaked
- dispose of exhausted batteries and product components in accordance with applicable regulations.

Remote Control Battery Installation

1. Press the tab on the underside of the remote control, and then open the cover.
2. Remove the batteries if they are present.
3. Insert two new 1.5V AA batteries in the remote control. Ensure the + and - markings on the batteries align with the markings in the remote control.
4. Replace the cover.

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Remote control

Power: turn the monitor on\standby

Mute: Press to mute the sound

Number buttons: Press number button and press OK button to play the channel.

Recall: Return to the previous channel viewed.

Nicam: Simple tone, stereo or bilingual mode/ only when it supported by broadcasting system.

P. Mode: Select the picture mode

S. Mode: Select the sound mode

Source: Display the input source menu

Menu: System setup menu

Info: Display current mode information

Exit: Exit the OSD menu

OK: Confirm button for menu

Aspect: Press to see top half of page double size, press again to see the bottom half of page double size, press again for normal size.

Sleep: Stanby timer.

Freeze: Holds the current picture.

TV:

USB:

Shift:

Subtitle:

Auto: Press to change auto reduction mode

FAV: Diplay the favourite program list

EPG: Press to display Electronic Program Guide

Text: Turn on/off teletext display

Open/Close program

Play/Pause program

Next chapter

Previous chapter

Fast forvard

Fast reverse

Stop program

Cursor button

In DVD source voice switching

In DVD source press to cycle to a desired position

Press to change the playing mode

Repeat segment between A and B

Shortcuts followed the coloured links

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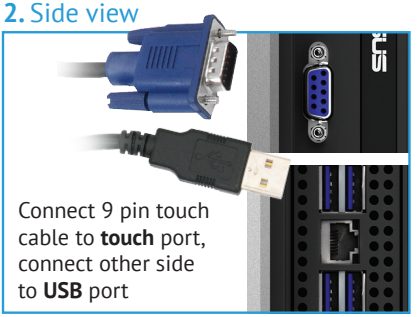
Getting started

Connection sequence (1-6)

1. Side view

Connect wireless keyboard and mouse dongle to **USB** port

2. Side view

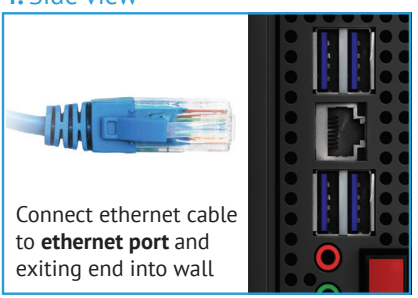


Connect 9 pin touch cable to **touch** port, connect other side to **USB** port

3. Side view

Attach **wifi antenna** to antenna port.

4. Side view

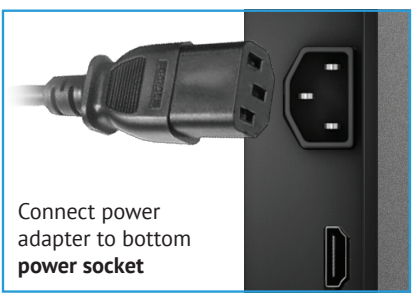


Connect ethernet cable to **ethernet port** and exiting end into wall

5. Side view

Set antenna up and plug into the **coaxial port.** Plug A\C Power adapter into coax junction.

6. Bottom view



Connect power adapter to bottom **power socket**

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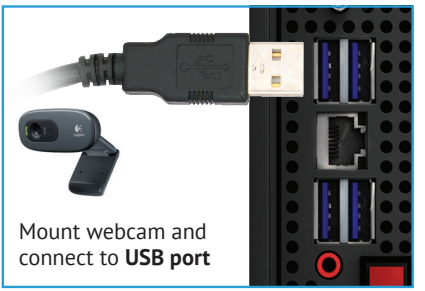
Getting started

Connection sequence (7-11)

7. Side view

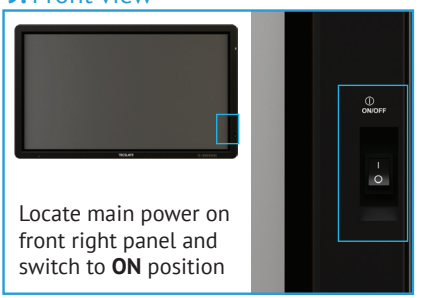
Connect Blueray DVD cord to **HDMI port** underneath

8. Side view



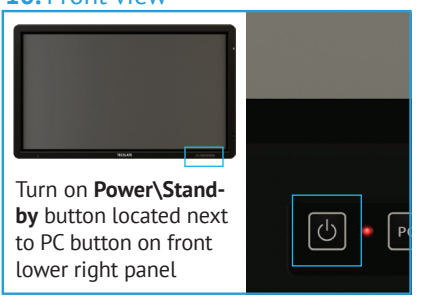
Mount webcam and connect to **USB port**

9. Front view



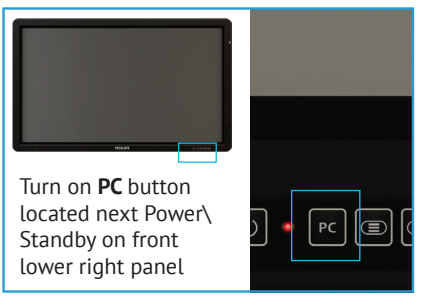
Locate main power on front right panel and switch to **ON** position

10. Front view



Turn on **Power\Stand-by** button located next to PC button on front lower right panel

11. Front view



Turn on **PC** button located next Power\ Standby on front lower right panel

Use the remote to change inputs or control the volume and channel. (batteries included)

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Software

Learning the Tecslate Pro™ tools

1. **Select tool**
2. **Context menu:** Cut, copy, Paste, Delete, Group, Arrange, Allign, Select all
3. **Undo**
4. **Redo**
5. **Zoom:** Zoom in, Zoom out, Zoom area
6. **Roam tool**
7. **Pens tool:** Pencil, Magic Pencil, Point to Point, Higlighter, Soft Brush, Calligraphic Pen
8. **Line**
9. **Property:** Color, Transparency, Size
10. **Eraser:** Small, Middle, Big, Ellipse Eraser, Object Eraser, Page Eraser
11. **Text tool**
12. **Switch to desktop screen**
13. **Fill**
14. **Border fill**
15. **Inserts**
16. **Math tools**
17. **Effects**
18. **Switch to the desktop screens**
19. **More**

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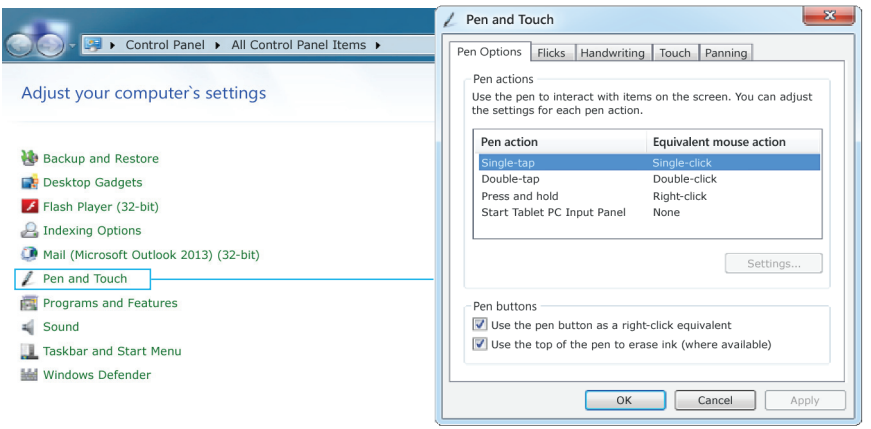
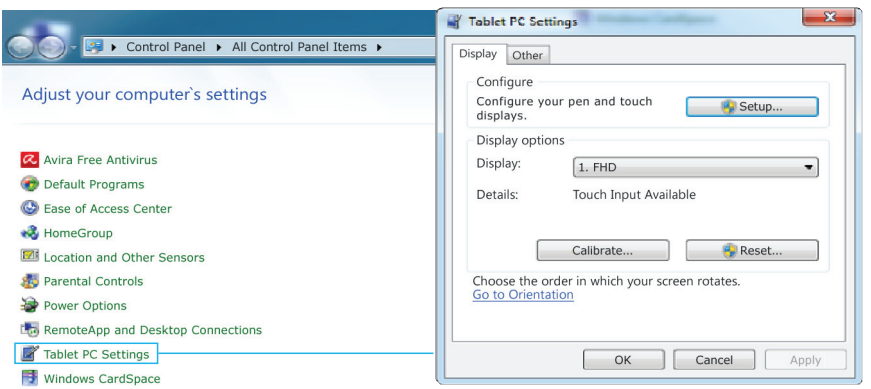
Software

Before you use Tecslate Pro™



To adjust Pen and Touch settings, tap Start > Control Panel > Pen and Touch

Calibrating the Touch Screen



To calibrate the touch screen, tap Start > Control Panel > Tablet PC Settings > Calibrate

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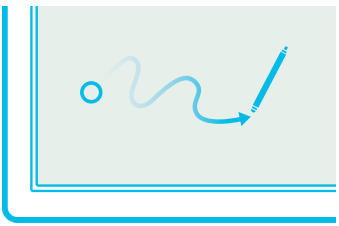
Software

Getting to know Tecslate Pro™ software

Writing or drawing in Tecslate Pro™

Using pen supplied with your interactive flat panel, you can write or draw digital ink over Tecslate Pro™ software and other programs.



To write or draw in your Tecslate Pro™ software

1. Pick up the pen.
2. Write or draw on the screen.

TIP: Don't rest your elbow or the palm of your hand on the screen while you're writing.

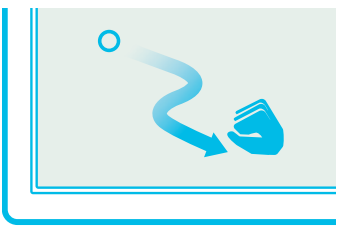
Entering text on the interactive flat panel

You can enter text in text boxes on the interactive flat panel using the on-screen keyboard or a keyboard attached to your computer.

TIP: Drag on-screen keyboard from top left corner of display.

To enter text

1. Select the area where you want to enter text using your finger or a mouse connected to the computer.
2. Type on a connected keyboard or on-screen keyboard.



To erase digital ink

Pick up the eraser, and then press the eraser on the screen and move it over the digital ink you want to erase. Also, using your flattened fist, press the screen and move your hand over the digital ink you want to erase.

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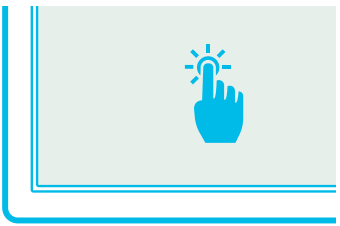
Software

Bases of touch control

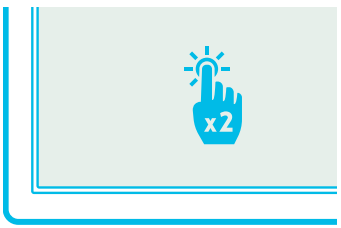
Manipulating objects

Objects include icons, buttons, links and other components of programs that appear on your screen. You can manipulate these objects on your interactive flat panel as described below.



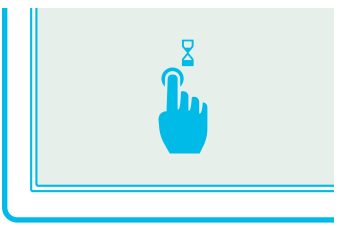
To select or clear the selection of an object
Quickly press and release the object.

TIP: This gesture performs a standard mouse click and will start programs if your operating system is set to start applications on a single click.



To double-click an object
Quickly press and release the object twice in the same spot.

This gesture starts programs if your operating system is set to start applications on a double-click.



To right-click or Control-click an object
Press and hold the object.

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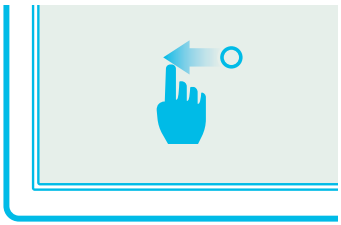
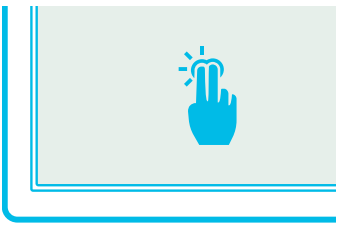
Software

Bases of touch control



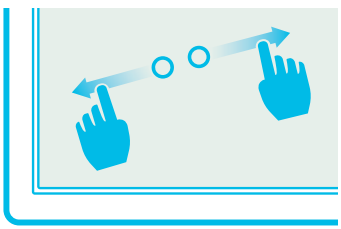
Moving an object

1. Press and hold the object and drag slowly without releasing your finger.
2. When you reach the position you want to move the object to, release your finger.



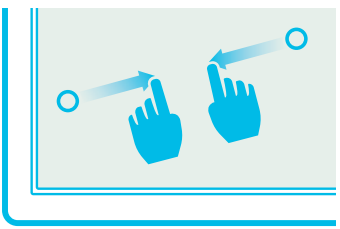
Single handed right-click

Using two fingers on the same hand, press and hold the object with your left finger, and then press the screen once with your right finger. You can also press the Right-Click button on the pen tray, and then press the object.



Resizing an object to be larger

1. Using one finger on each hand, press the screen at opposite ends of the object.
2. Drag your fingers in opposite directions to enlarge the object.



Resizing an object to be smaller

1. Using one finger on each hand, press the screen at opposite ends of the object.
2. Drag your fingers toward each other to reduce the object.

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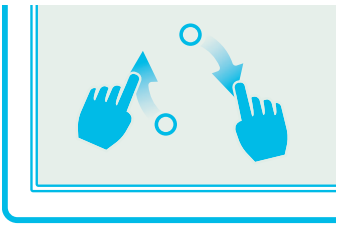
Software

Bases of touch control

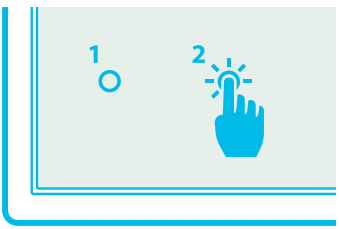


Rotating an object

1. Using one finger on each hand, press the screen at opposite ends of the object.
2. Rotate your fingers in the direction you want to rotate the object
3. When you reach the angle you want to rotate the object to, release your fingers.

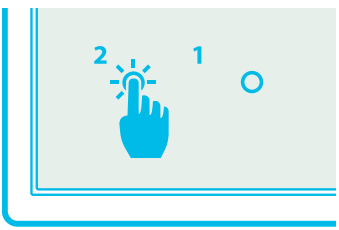
Browsing

In addition to manipulating objects, you can browse content on your screen.



To display the next page

Press the screen, and then quickly press again directly to the right of that point.

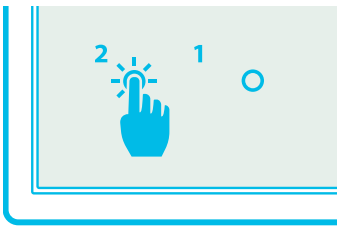


You can also quickly swipe your finger right across the screen

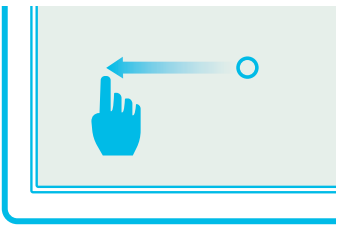
TS64A001

Software

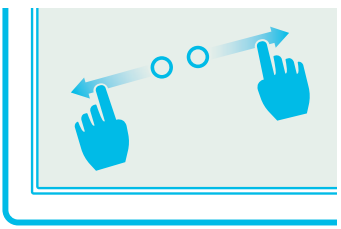
Bases of touch control



Displaying previous page
Press the screen, and then quickly press again directly to the left of that point.

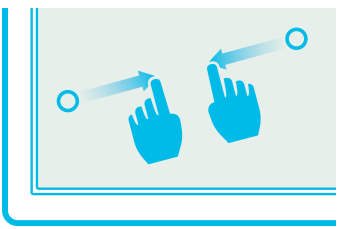


You can also quickly swipe your finger right across the screen.



Zooming in on an object

1. Using one finger on each hand, press the screen at opposite ends of the object.
2. Drag your fingers in opposite direction to zoom in.



Zooming out on an object

1. Using one finger on each hand, press the screen at opposite ends of the object.
2. Drag your fingers in same direction to zoom out.

TS64A001

Maintenance

Maintaining the LCD Display

- Do not scratch the surface of the screen with any hard objects.
- Do not spray liquid directly on the screen or allow excess liquid to drip down inside the device.
- Do not place anything, such as food and drink, on the screen at any time to prevent damage to the screen.
- Clean the LCD display only with a soft cloth dampened with denatured alcohol or a proprietary LCD screen cleaner.

Cleaning the TAG TS64A001

1. Turn off the TAG GD3015 and unplug the power cord.
2. Wipe the screen and exterior with a soft, damp cloth moistened only with water.

   Do not use liquid or aerosol cleaners on the screen, as these will discolor the finish and damage the screen.

CAUTION

- Do not use compressed air, water, chemical agents or cleaning agents to clean the sensors.
- Do not use permanent or dry-erase markers on the screen. If dry-erase markers are used on the screen, remove the ink as soon as possible with a lint-free, non-abrasive cloth.
- Do not rub the screen with a dense or rough material.
- Do not apply pressure to the screen.
- Do not use cleaning solution or glass cleaner on the interactive flat panel screen, as they can deteriorate or discolor the screen.
- Avoid touching the silver reflective tape between the screen and the bezel and ensure that it stays dry. Damage to this strip affects touch interactivity.

TS64A001

Maintenance

Maintaining ventilation

Your interactive flat panel requires ventilation to enable the cooling-fans to function. Dust buildup in the ventilation holes compromises cooling and leads to product failure.

- Avoid setting up or using your interactive flat panel in an area with excessive levels of dust, humidity or smoke.
- Clean accessible ventilation holes monthly with a dry cloth. Use a vacuum cleaner with a narrow hose end fitting to clear the back ventilation holes annually. You might have to remove the interactive flat panel from your wall.

Preventing condensation

- Your interactive flat panel screen contains layers of glass that can collect condensation, especially in the following conditions:
- Temperature extremes with high humidity
- Rapid changes in humidity, which can occur when you operate the product near water, such as a sink, pool, kettle or air conditioner ventilator
- Direct exposure to sunlight

To evaporate condensation from your interactive flat panel

1. Remove the humidity source from the interactive flat panel, if possible.
2. Adjust the room temperature to normal operating ranges.
3. Turn on the interactive flat panel for 2–3 hours.

If the screen condensation doesn't evaporate, contact TAG Support http://www.tecslate.com/contactsupport

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Maintenance

Trouble shooting

Before consulting a service technician, review the following instructions below. If the problem still exists after going through the proper procedures, write down your display's model and serial number and contact a local distributor.

No sound or picture	• Check power cord and make sure it is properly connected to AC power outlet and that the power outlet is getting an electrical current. • Check to make sure Main Power is in the "ON" or "UP" position and that the Standby/Power button has been pressed. • Check volume and brightness/contrast settings of the picture.
Picture is normal, but no sound	• Check volume buttons and sound system. • Check mute button on remote control.
No picture, picture is black& white	• Check brightness/contrast and color settings.
Interference with sound or picture	• Find out what device is causing the interference and move to anotherroom or location away from LCD display. • Switch the power adapter to another electrical outlet. • Check antenna, cable or Wi-Fi connection.
Remote control not working	• Check and replace batteries if needed. • Clean remote sensor.

The LCD display screen contains and advanced technology of sub-pixels, both light and dark pixels. This will not affect the performance of this product.

TS64A001

Technical specifications

	Tecslate Standard (65 inches)	Tecslate Pro (84 inches)
Screen size	AUO 65 inches LED (16:9), 120hz refresh rate panel	AUO 84 inches LED (16:9), 120hz refresh rate panel
Model	I-65E-AP/YH	I-84E-AP
Net weight	176 lbs	209 lbs
Gross Weight	196 lbs	242 lbs
Nude TV (L*H*W)	1564*76*940mm	1981*109*1168mm
Package size (L*H*W)	1800mm*280mm*1100mm	2260mm*406mm*1447mm
VESA Mount	600mm*400mm	
Touch technology	4 touch Infrared	
Writing style	Finger & stylus (or any solid object)	
Scanning speed	≤8ms	
Tolerance	±1.5mm	
Power consumption	≤80mA	
Resolution	4096×4096	
Screen size	1428.48 (H) x 803.52 (V)MM	1860.55 (H) x 1046.48 (V)MM
Resolution	1920(H)×1080(V)	3840(H)×2160(V)
Display color	16.77M	16.77M
Panel diagonal	64.53 inches	84.04 inches
Pixel pitch	0.744mm x 0.744mm	0.4845mm x 0.4845mm
Brightness	500 cd/m2	450 cd/m2
Contrast	4000:1	5000:1
Angle view	R/L 178 (Min.), U/D 178 (Min.)	
Motherboard	Wibtek TB75G-P	
CPU	Intel Core I7 Processor 3770	
Graphics card	Intel® HD 4000	
Sound card	ALC 661 chipset	
Network card	RTL 8111E 10/100/1000 BaseT LAN	
Memory	Kingston 16G DDR3 1333	
Harddisk	1 TB	
VGA	1	
HDMI	1	
LAN	1	
DC Jack	1	
Authorized operating system included	Windows 7 64bt	
USB	4x USB (3.0)	2x USB (2.0) + 2x USB (3.0)
Blueray DVD drive	ASUS SBC-06D2X-U (USB 2.0)	Fujitsu/Sony/Pioneer/ASUS (USB 2.0)

TS64A001

Technical specifications

	Tecslate Standard (65 inches)	Tecslate Pro (84 inches)
Tuner	1 (SIS221/SIS330)	
Video system	PAL/SECAM, NTSC(Option)	
Audio system	BG, DK, I, (M/N, L, L' Option)	
TV tuner channel	200	
Video feature	Video process and transform	
Speaker type	build speaker inside	
Speaker output	10W × 2	
Audio Stereo	balance, auto vol control, surround sound, optical, EQ	
YPBPR	1	
20'GP loading Qty	51pcs	10pcs
40'HQ loading Qty	102pcs	25pcs
Operation Tem	0°C ~ 40°C	
Operation Humidity	10% ~ 80%	
Storage Tem	-20°C ~ 40°C	
Storage Humidity	5% ~ 95%	
Standby	≤1W	
Power rate	≤260W	≤430W
Limited Warranty	1. LED Monitor Touchscreen, On-board PC, Web Camera and accessories (1) year Limited Warranty from date of purchase 2. Extended (2) year Limited Warranty available for an additional cost 3. Serviced by Regional TECSLATE Authorized Service Providers (RSP)	
Authorized Service Providers. Nationwide ACS	Provides Service in all US zip codes Full onsite repair capabilities Also authorized to do warranty work for Dell and HP as well as other popular brands	
Built-in programs	Tecslate Pro Smoothboard Digital signage WinSplit Revolution ArcSoft TotalMedia Theatre	

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